

IN THE CLAIMS

Complete listing of the claims:

1. (Currently Amended) An optical fiber grating part comprising:
an elongated pedestal;
a base plate[[s]] installed on said pedestal, and having a different coefficient of linear thermal expansion from said pedestal; and
an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal and said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,
wherein a predetermined tensile force is added to said optical fiber grating, and
said pedestal and said base plate thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and
an extension line of an axis of said optical fiber joining said connection points passes through a contact surface (K) of said pedestal and a connection part of said base plate, wherein a dimension of said connection part of said base plate is 1.0015 times or more larger than that of a connection concavity in the longitudinal direction of said pedestal.

2. (Canceled)

3. (Currently Amended) An optical fiber grating part comprising:
an elongated pedestal;
a pair of base plates installed on said pedestal apart from each other in the longitudinal direction of said pedestal and having a different coefficient of linear thermal expansion from said pedestal; and
an optical fiber passing through said pedestal, and connected to connection points installed on each of said base plates, and having an optical fiber grating located between said connection points,
wherein a predetermined tensile force is added to said optical fiber grating, and

said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

an extension line of an axis of said optical fiber joining said connection points passes through a contact surface (K) of said pedestal and a connection part of each of said base plates, wherein a dimension of said connection part of each of said base plates is 1.0015 times or more larger than that of a connection concavity in the longitudinal direction of said pedestal.

4. (Canceled)

5. (Previously Presented) The optical fiber grating part as claimed in claim 1, wherein said connection part of said base plate is assembled with a connection concavity in the longitudinal direction of said pedestal with press fitting.

6. (Previously Presented) The optical fiber grating part as claimed in claim 1, wherein said connection part of said base plate is assembled with a connection concavity in the longitudinal direction of said pedestal with freeze fitting.

7. (Previously Presented) The optical fiber grating part as claimed in claim 1, wherein said pedestal is made of the inber and said base plate is made of aluminum.

8-9. (Canceled)

10. (Previously Presented) The optical fiber grating part as claimed in claim 3, wherein said connection part of each of said base plates is assembled with a connection concavity in the longitudinal direction of said pedestal with press fitting.

11. (Previously Presented) The optical fiber grating part as claimed in claim 3, wherein said connection part of each of said base plates is assembled with said connection concavity in the longitudinal direction of said pedestal with freeze fitting.

12. (Previously Presented) The optical fiber grating part as claimed in claim 3,
wherein said pedestal is made of the inber and said base plates are made of aluminum.